



COMPENSATED DENSITY NEUTRON LOG

Company	REDBUD OIL & GAS OPERATING, LLC		
Well	TWIN VALLEY ENTERPRISES # 3		
Field	CHEROKEE BASIN COAL		
County	MONTGOMERY	State	KANSAS
Location:	SE NW SW NW 1899' FNL & 547' FWL SEC 24 TWP 31S RGE 14E		Other Services DIL
Permanent Datum	GL	Elevation	923
Log Measured From	GL		
Drilling Measured From	GL		
Date	10-18-2023		
Run Number	ONE		
Depth Driller	1290		
Depth Logger	1289		
Bottom Logged Interval	1287		
Top Log Interval	20		
Casing Driller	8.625" @ 20		
Casing Logger	8.625" @ 20		
Bit Size	6.00"		
Type Fluid in Hole	MUD		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW1		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER		
Witnessed By	MR. TAYLOR		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

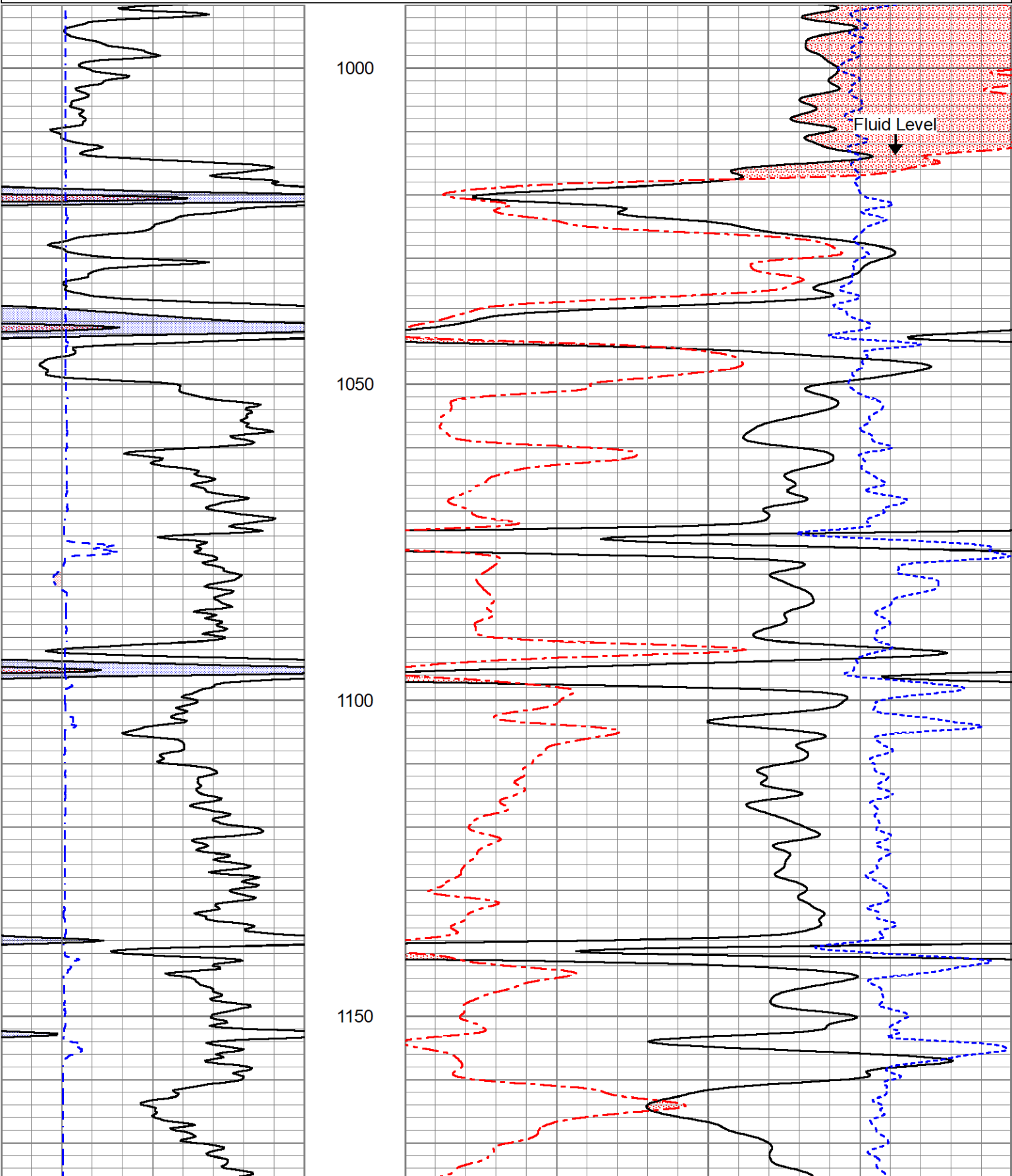
Comments

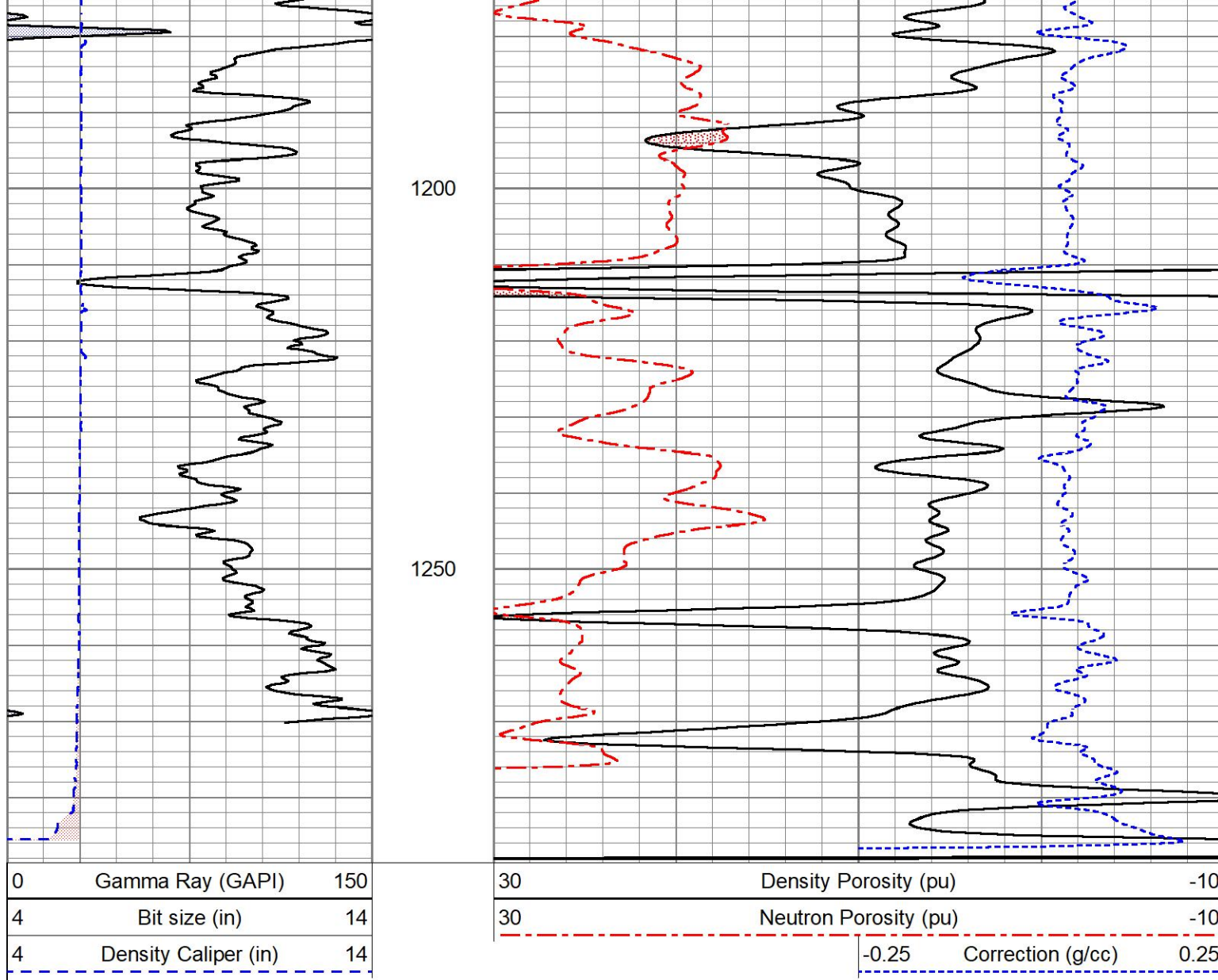
FILE # OW1-9252 REDBUD
JAKE
THANK YOU FOR USING OSAGE WIRELINE



5" DENSITY NEUTRON LOG

0	Gamma Ray (GAPI)	150	30	Density Porosity (pu)	-10
4	Bit size (in)	14	30	Neutron Porosity (pu)	-10
4	Density Caliper (in)	14		-0.25	Correction (g/cc) 0.25

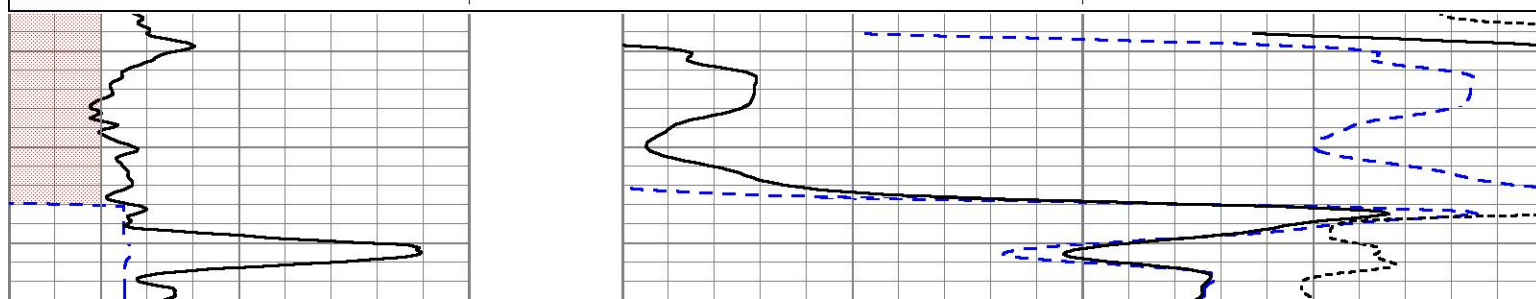


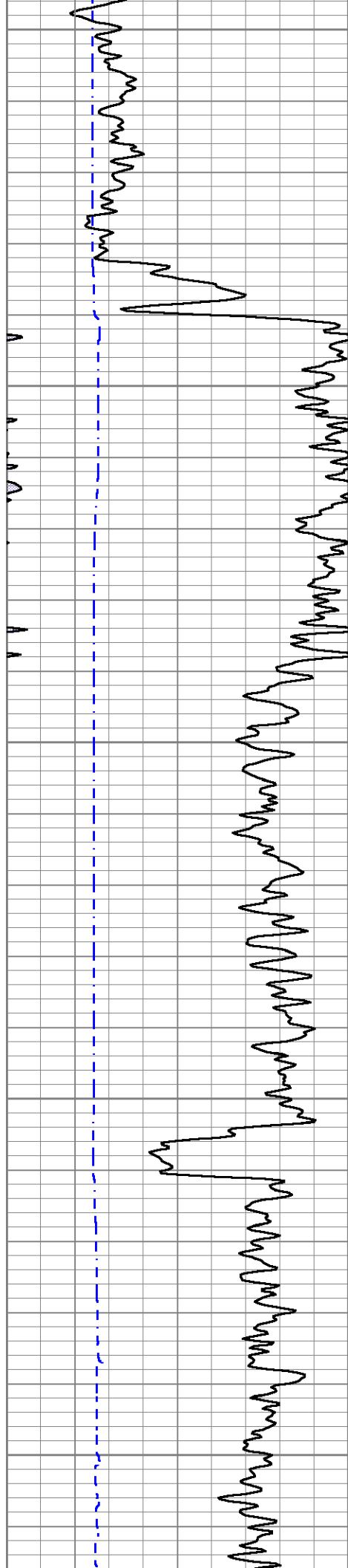


5" DENSITY LOG

Database File ow1-9252 redbud .db
 Dataset Pathname pass1.7
 Presentation Format stcdl-4-14_5
 Dataset Creation Wed Oct 18 13:46:59 2023
 Charted by Depth in Feet scaled 1:240

4	Density Caliper (in)	14	30	Density Porosity (pu)	-10
0	Gamma Ray (GAPI)	150	2	Bulk Density (g/cc)	3
4	Bit Size (in)	14	-0.25	Correction (g/cc)	0.25





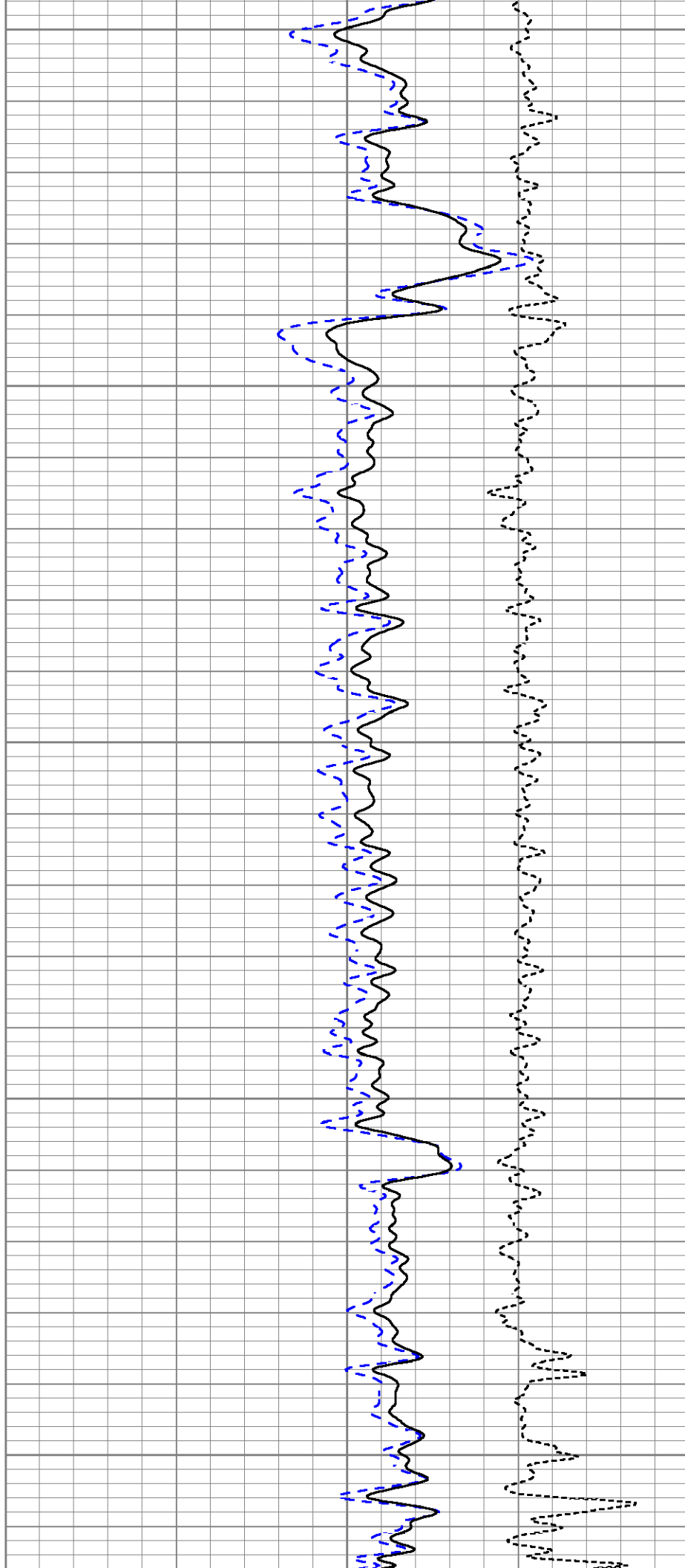
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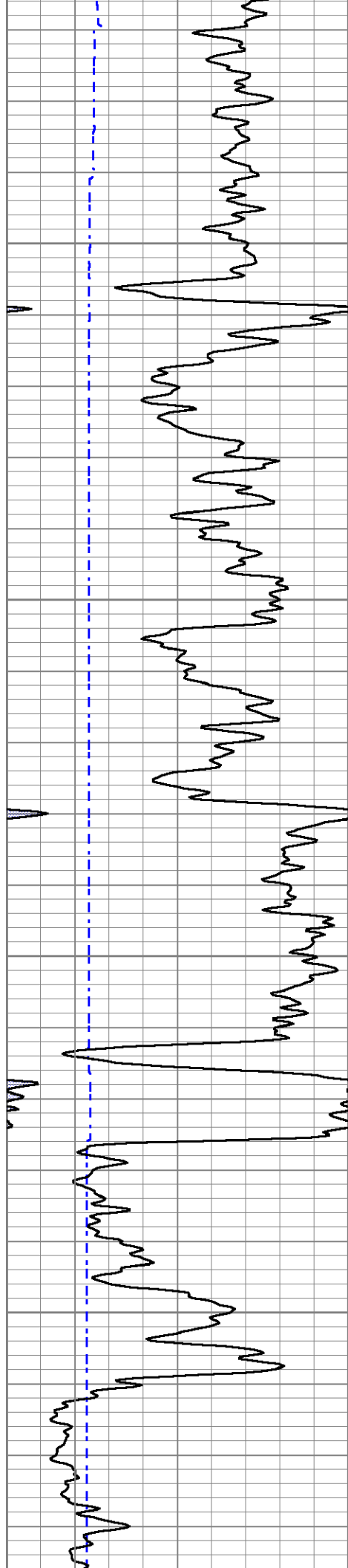
100

150

200

250



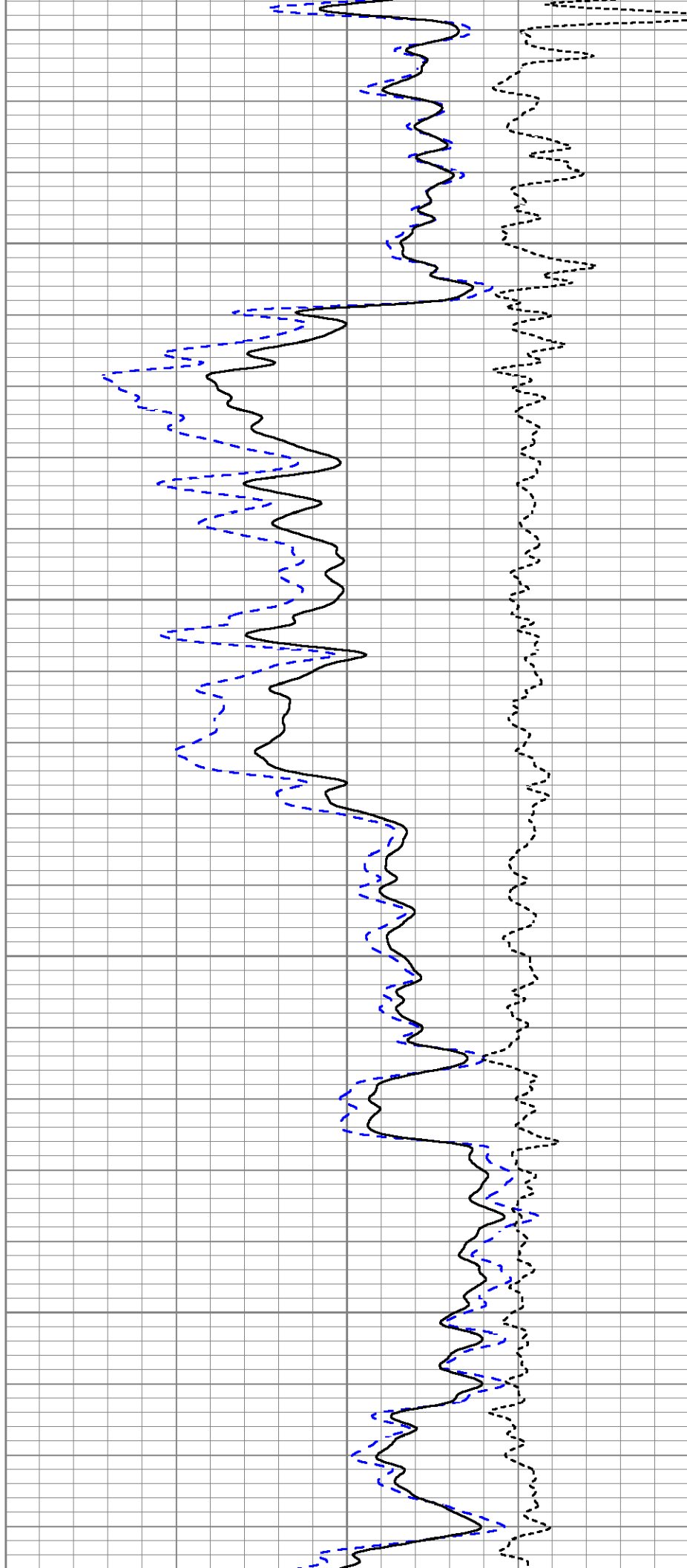


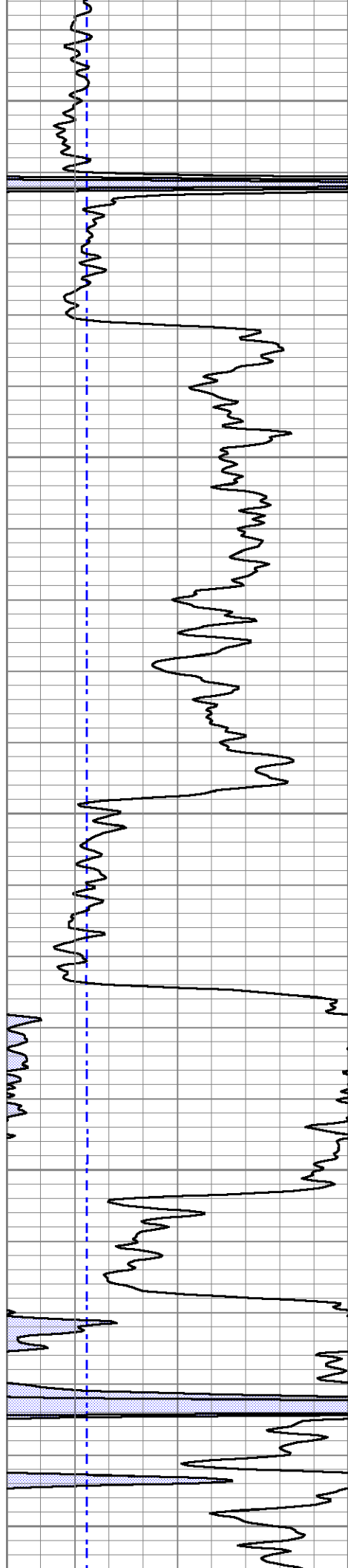
300

350

400

450





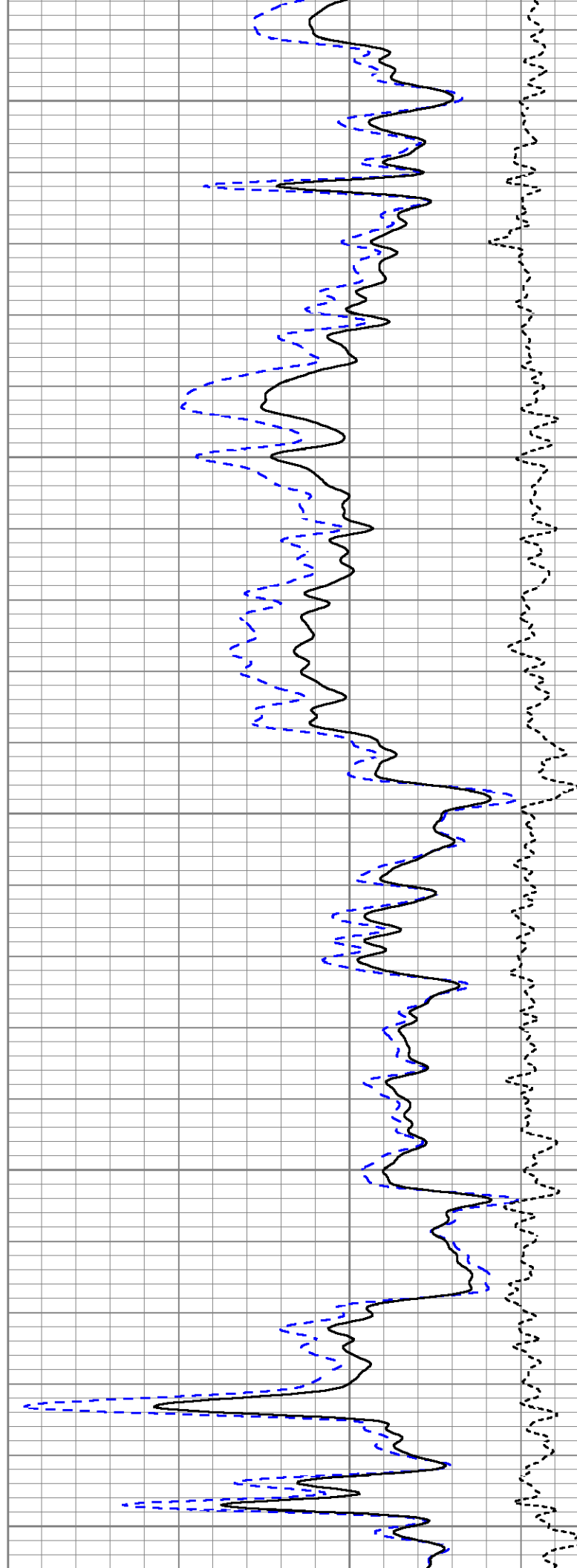
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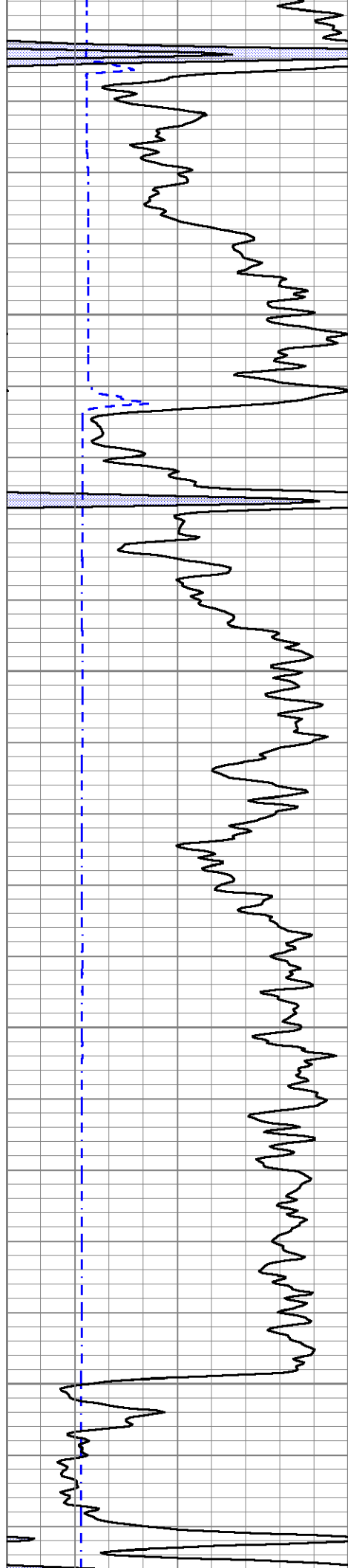
550

600

650

700



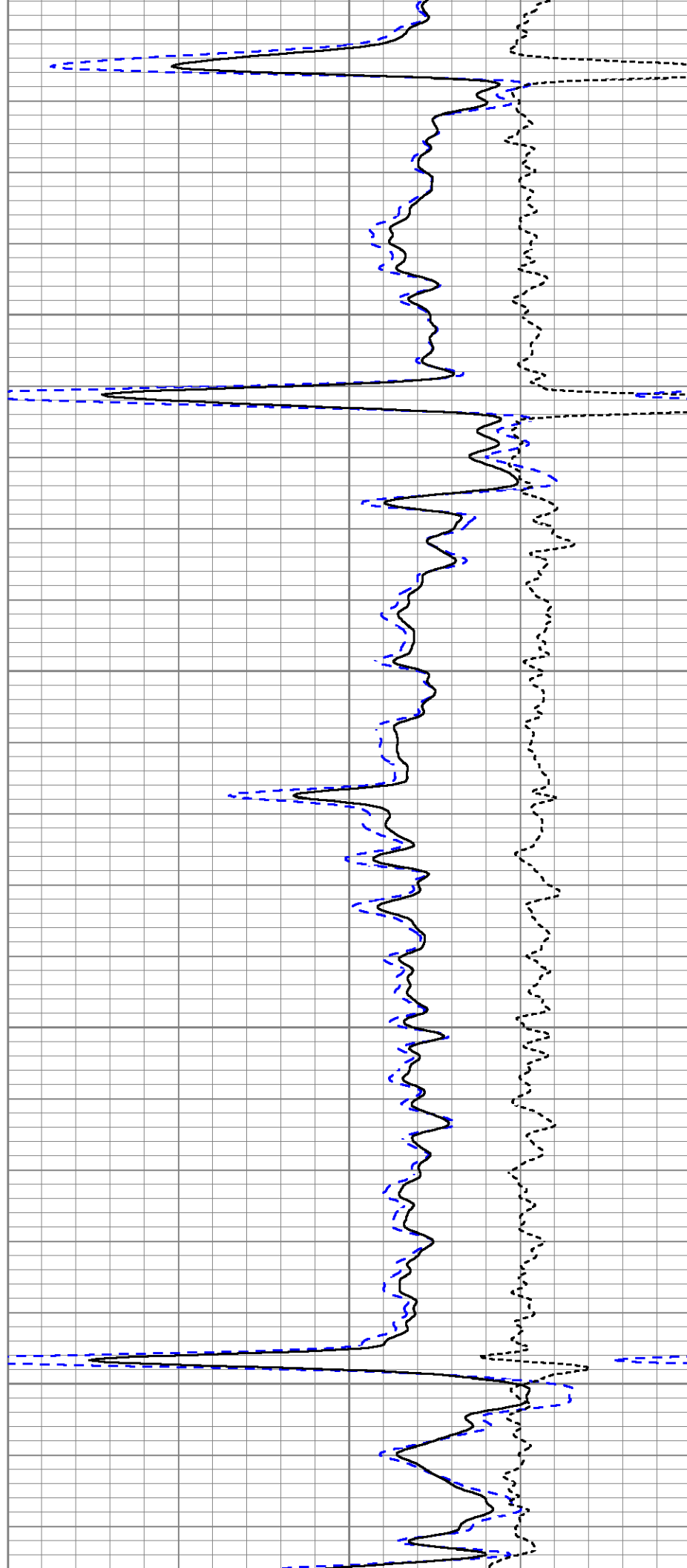


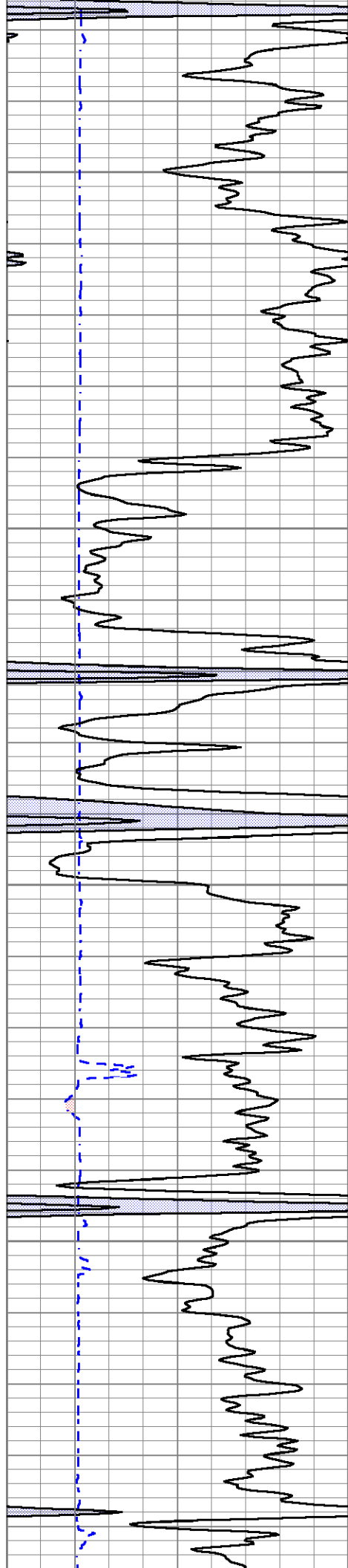
750

800

850

900



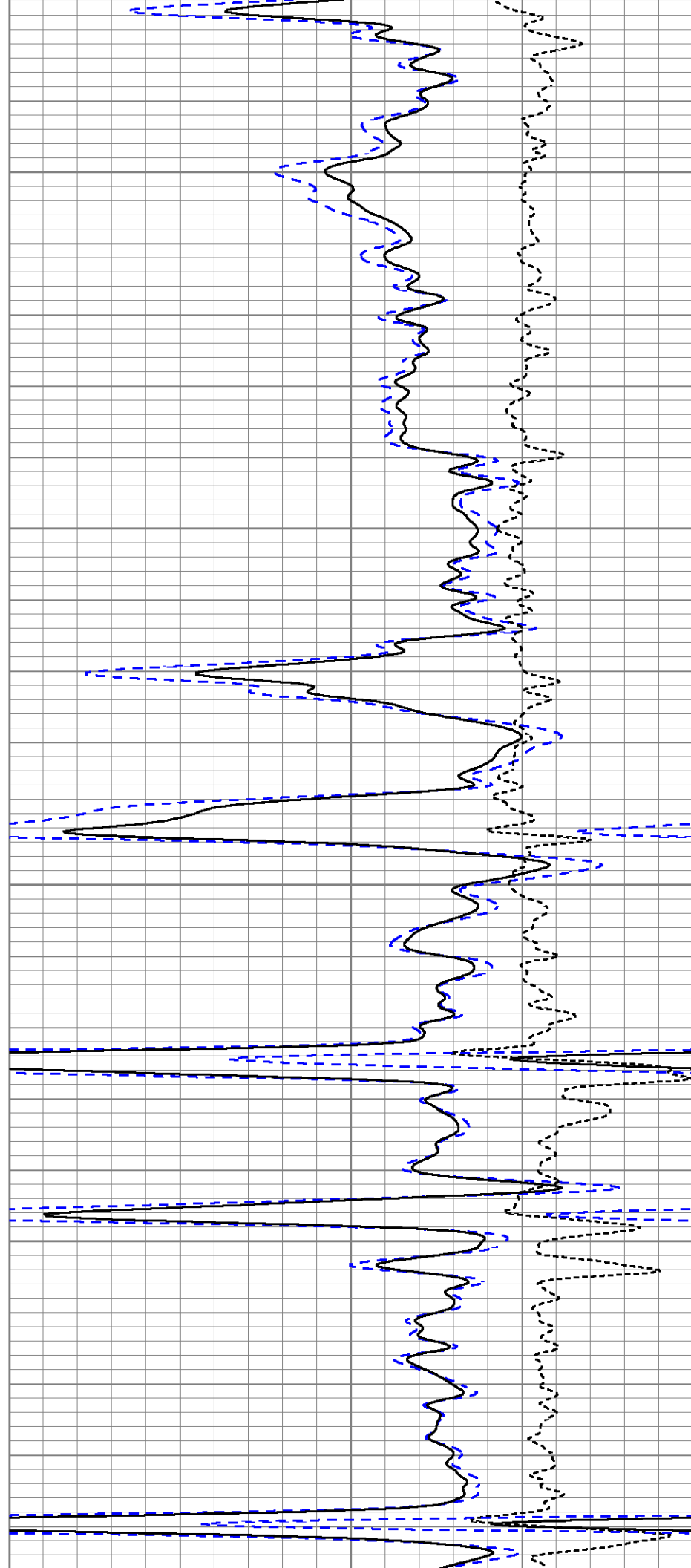


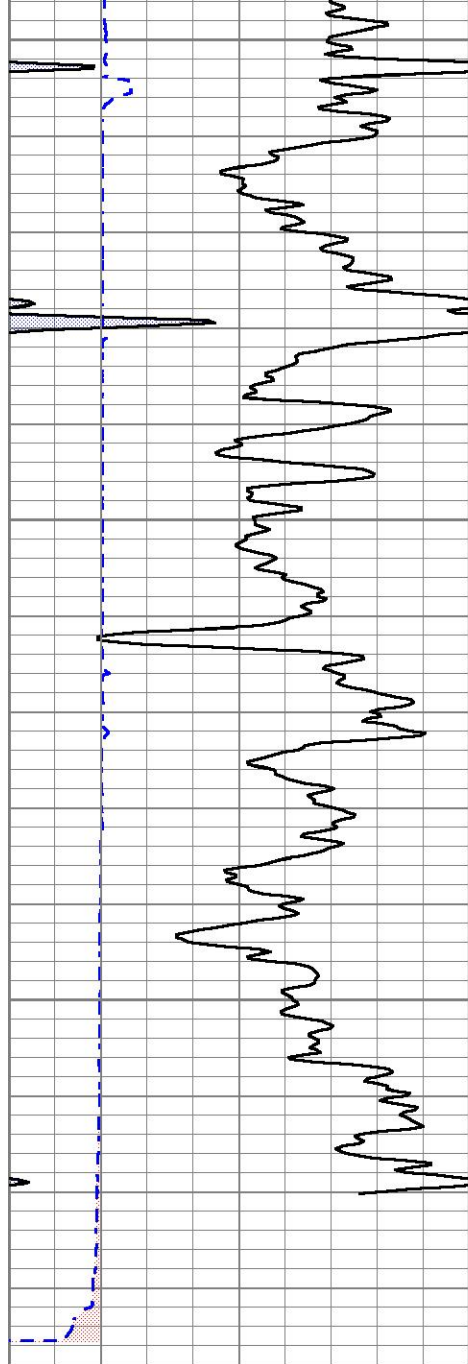
950

1000

1050

1100



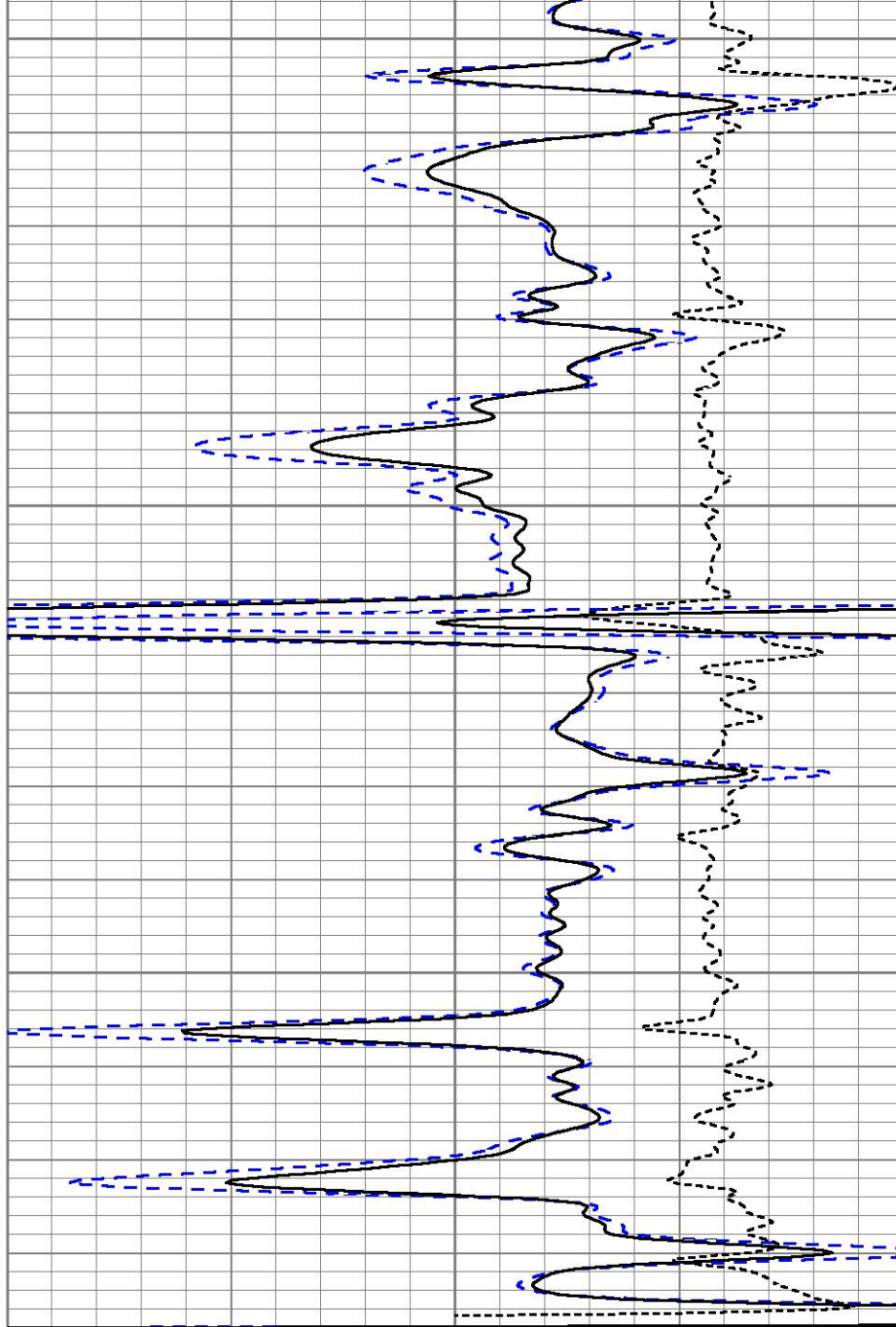


1150

1200

1250

4	Density Caliper (in)	14
0	Gamma Ray (GAPI)	150
4	Bit Size (in)	14



30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
-0.25	Correction (g/cc)	0.25

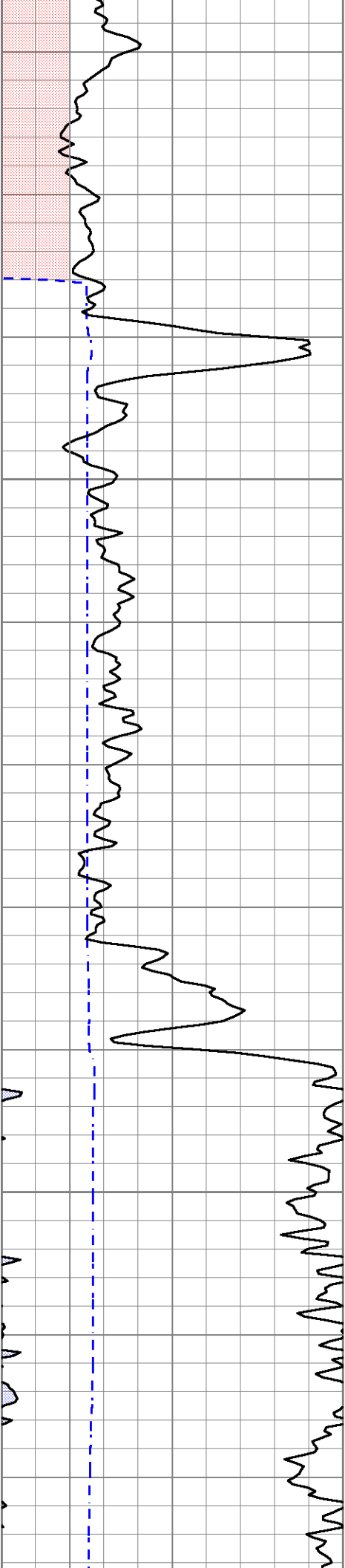


10" HR DENSITY LOG

Database File ow1-9252 redbud .db
 Dataset Pathname pass1.8
 Presentation Format stcdl-4-14_5
 Dataset Creation Wed Oct 18 13:47:40 2023
 Charted by Depth in Feet scaled 1:120

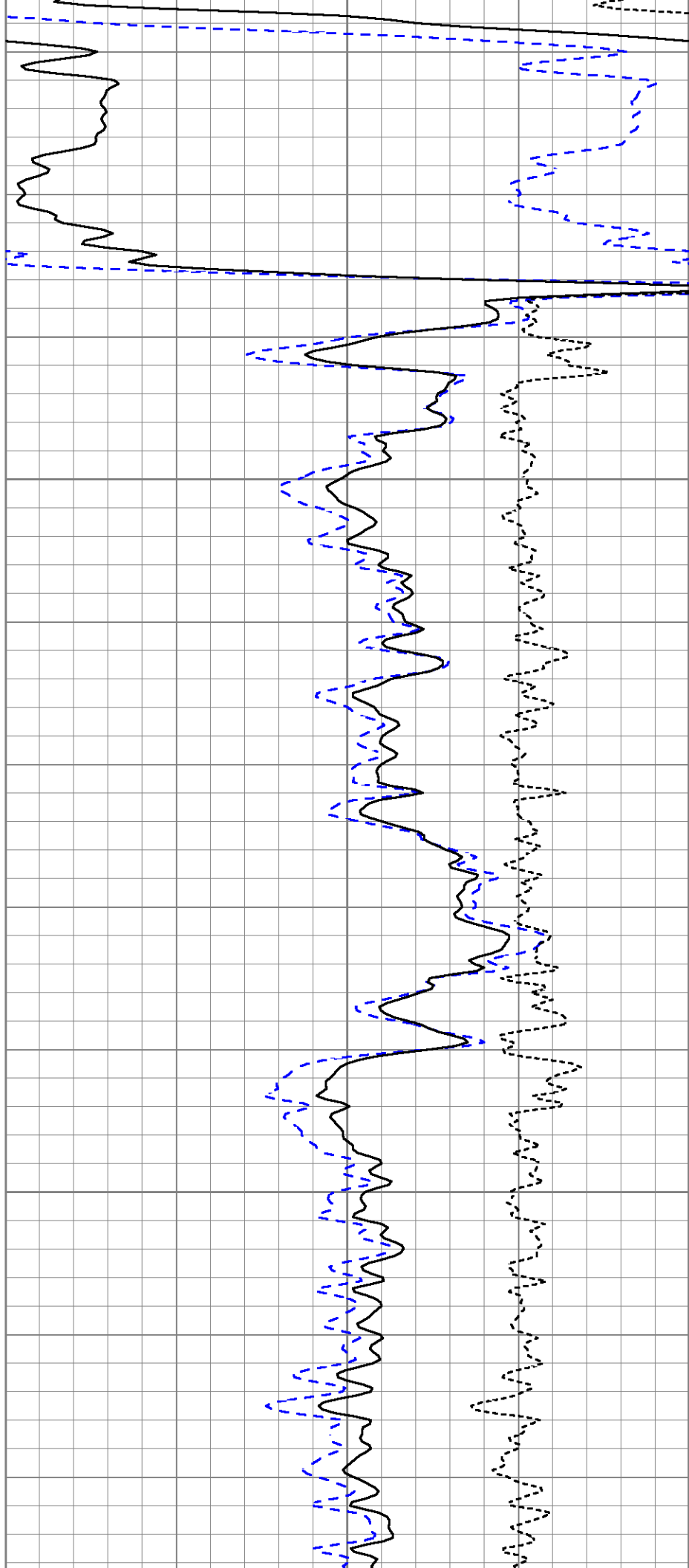
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0	Gamma Ray (GAPI)	150
4	Bit Size (in)	14

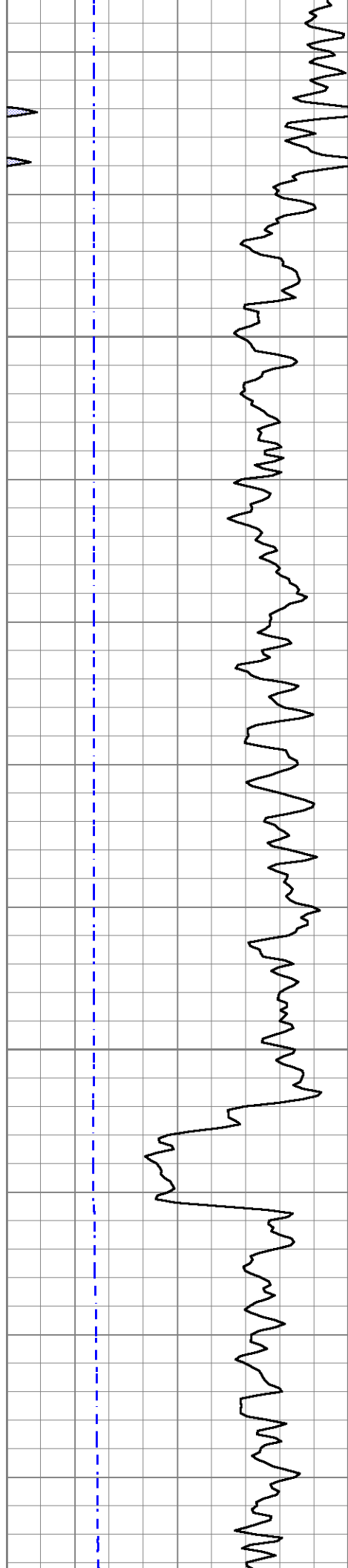
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2	Bulk Density (g/cc)	3
-0.25	Correction (g/cc)	0.25



50

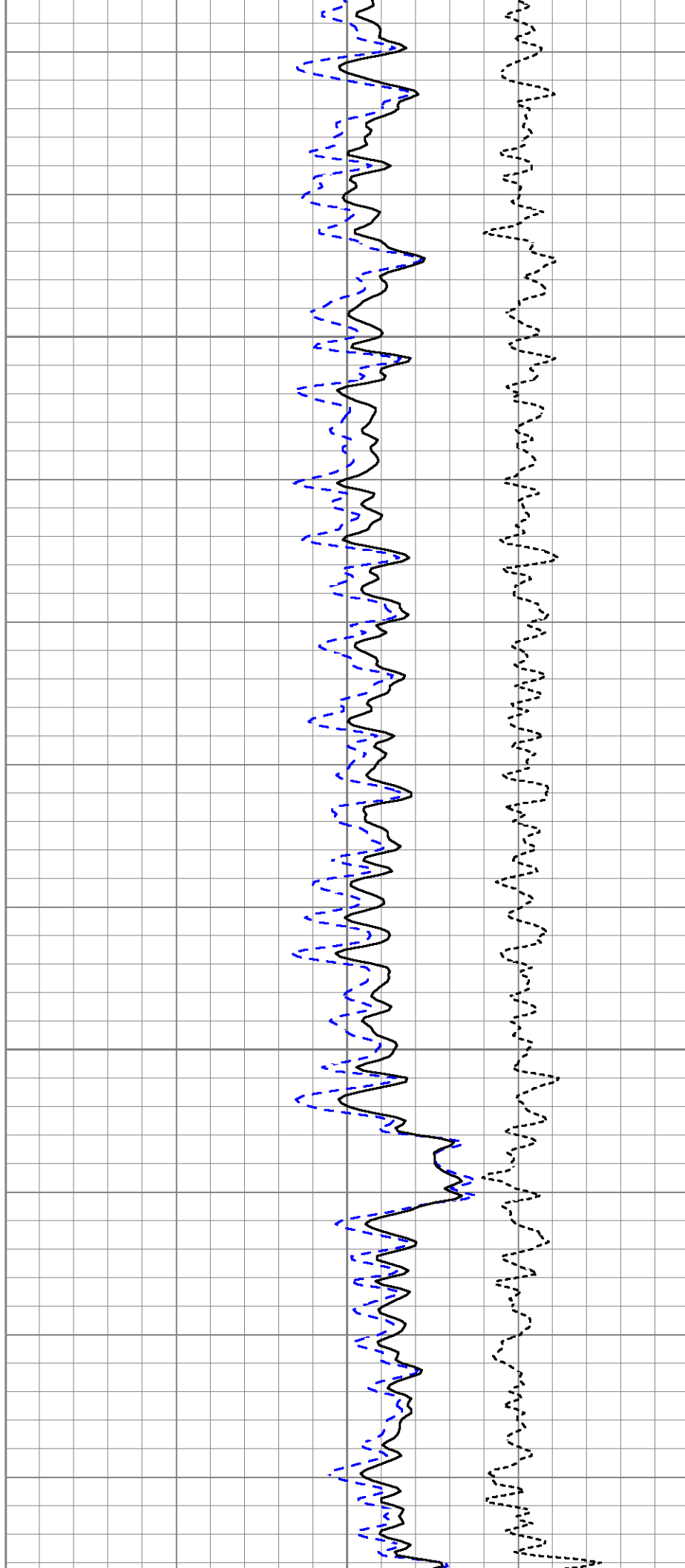
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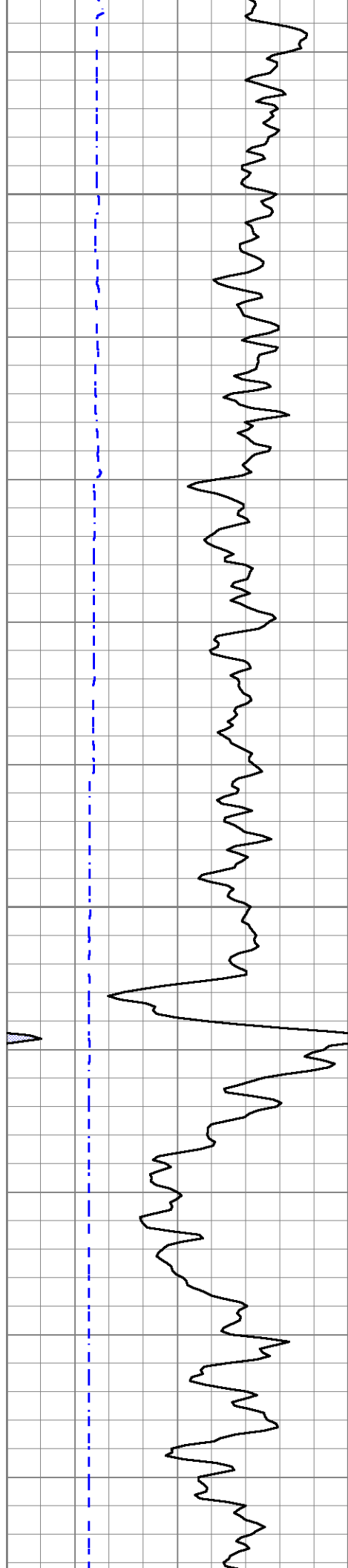




150

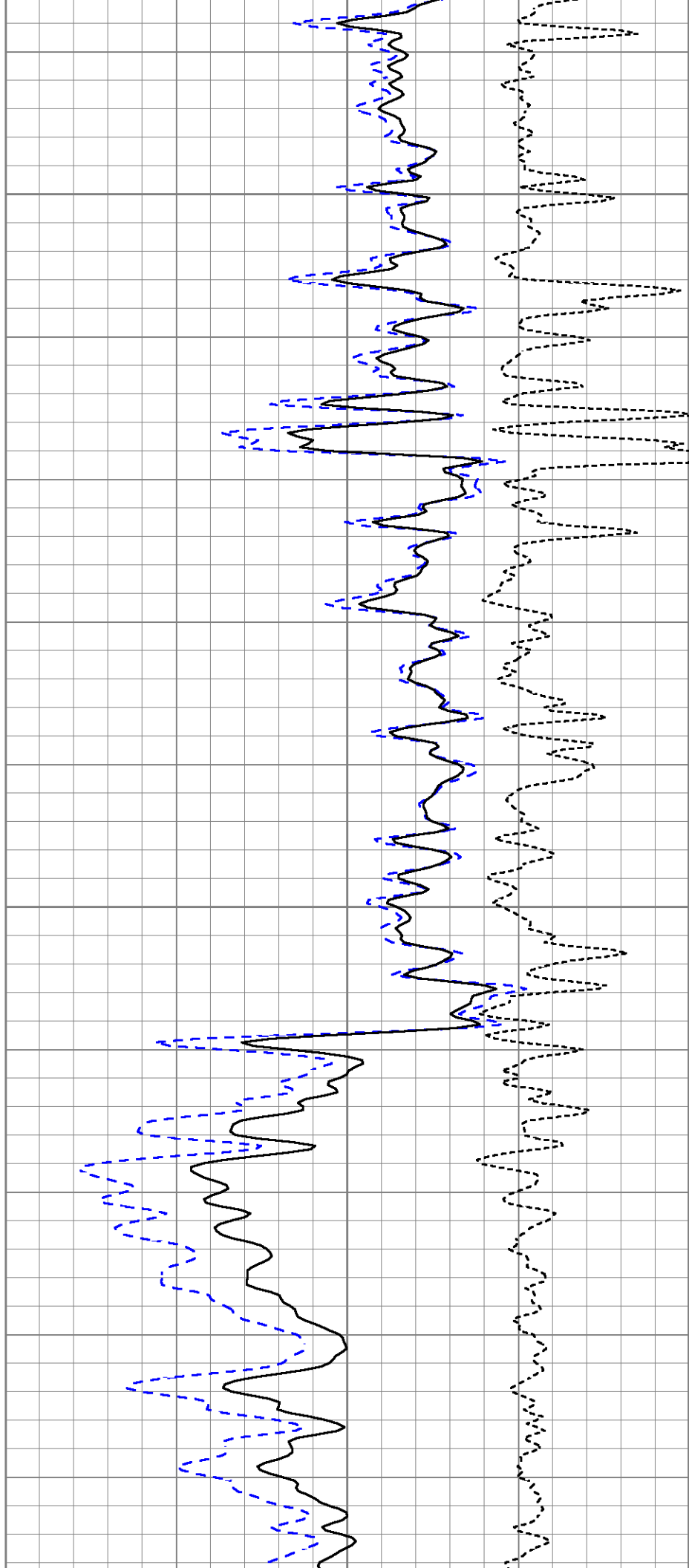
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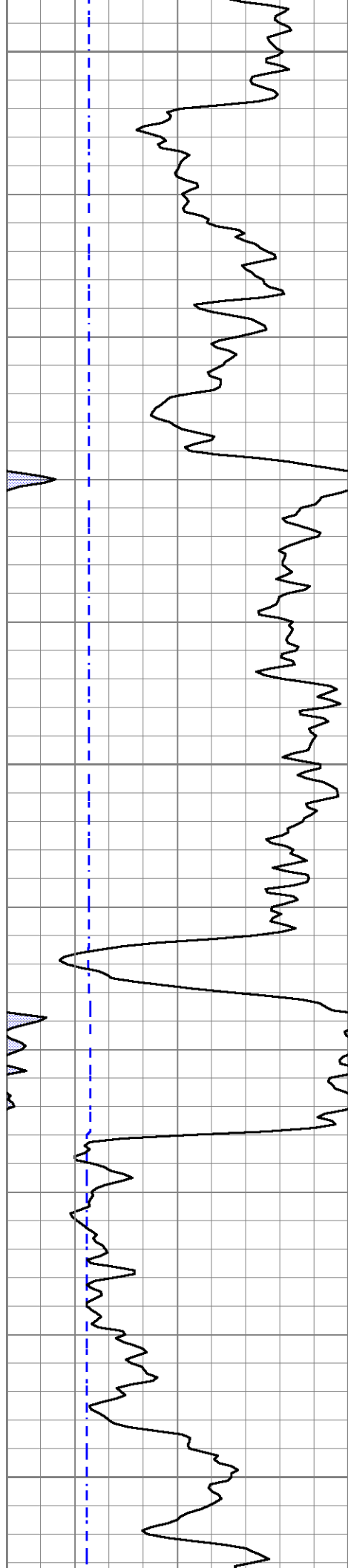




250

300

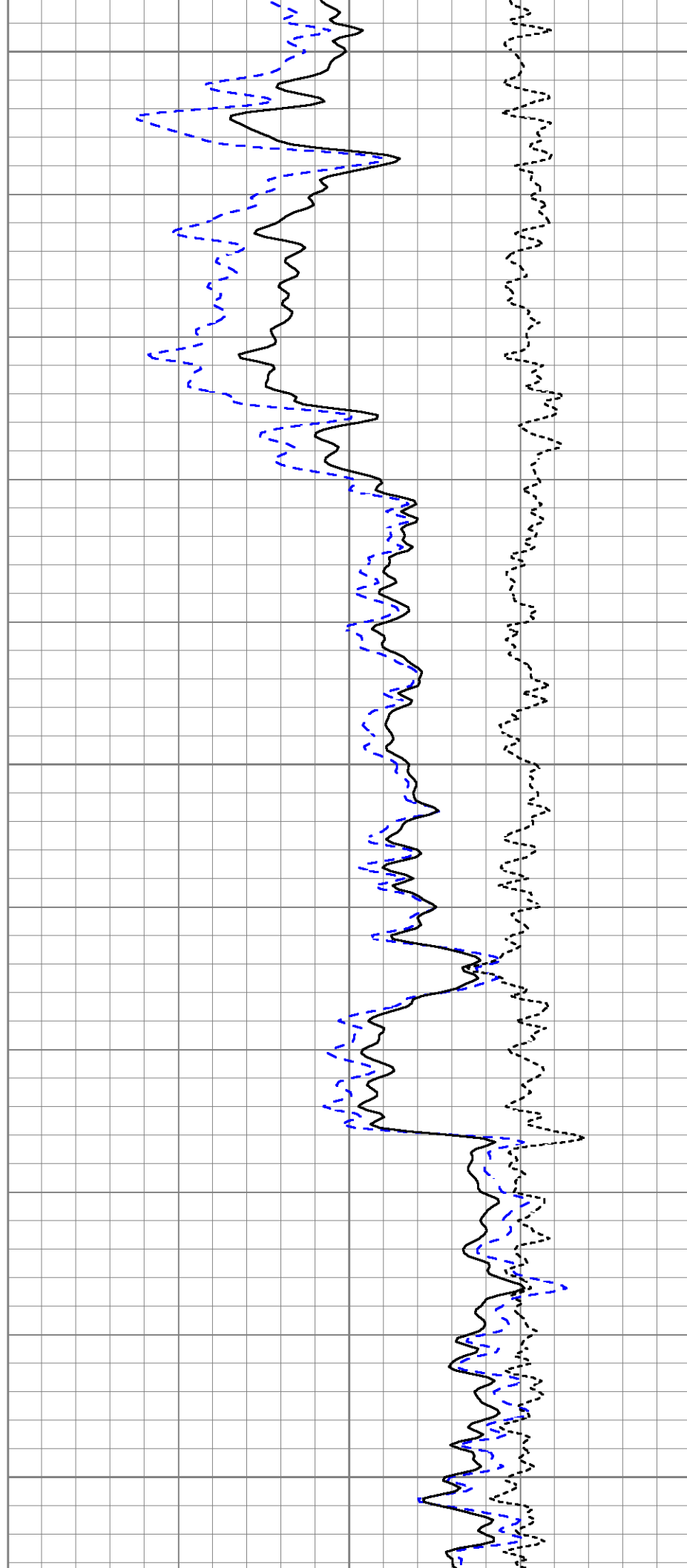


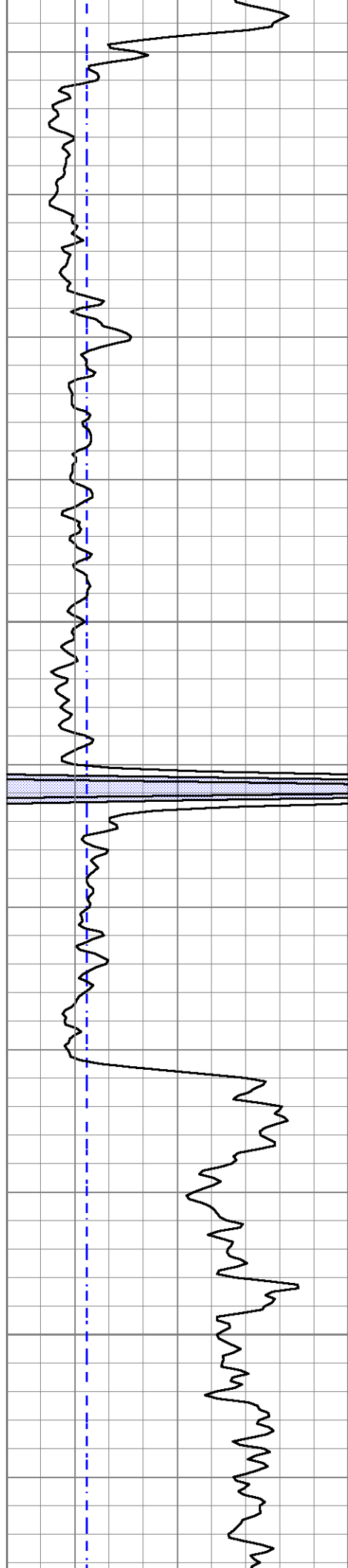


350

400

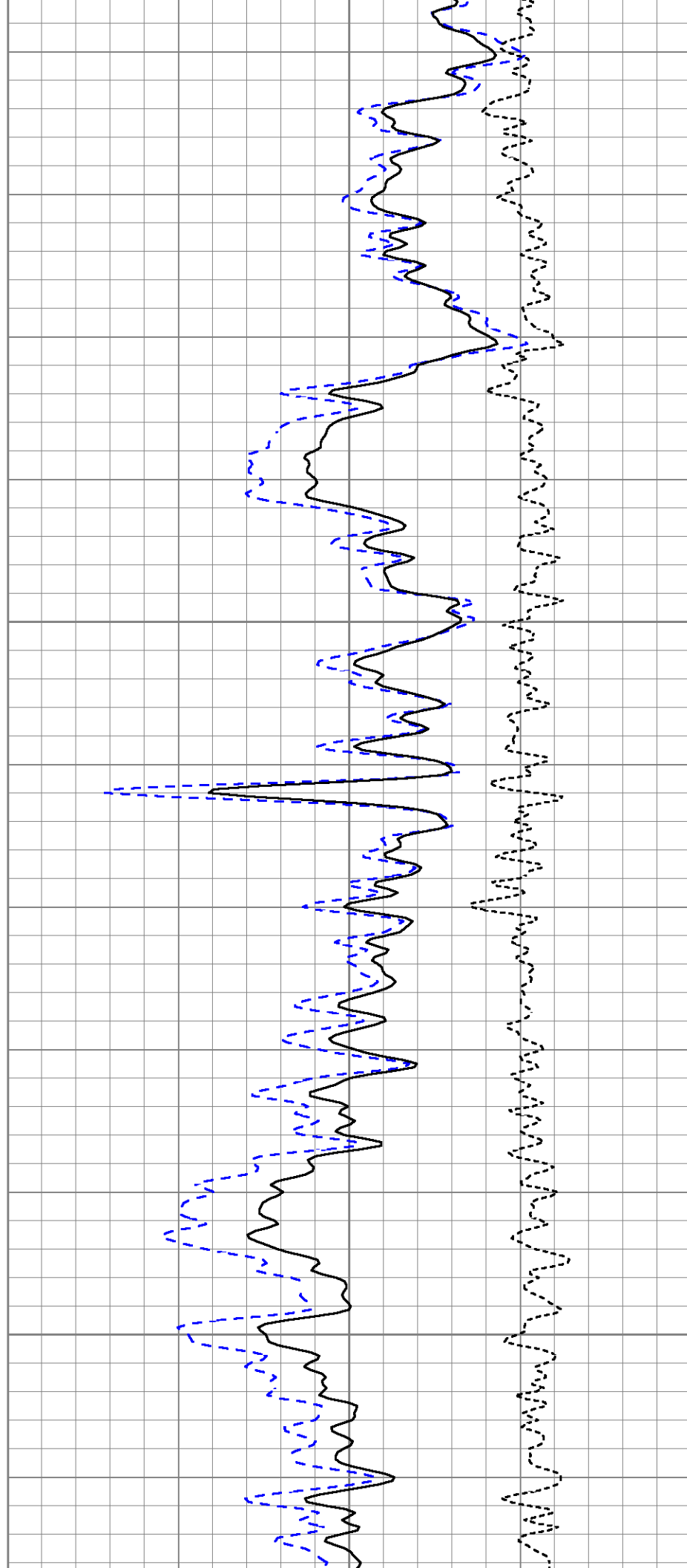
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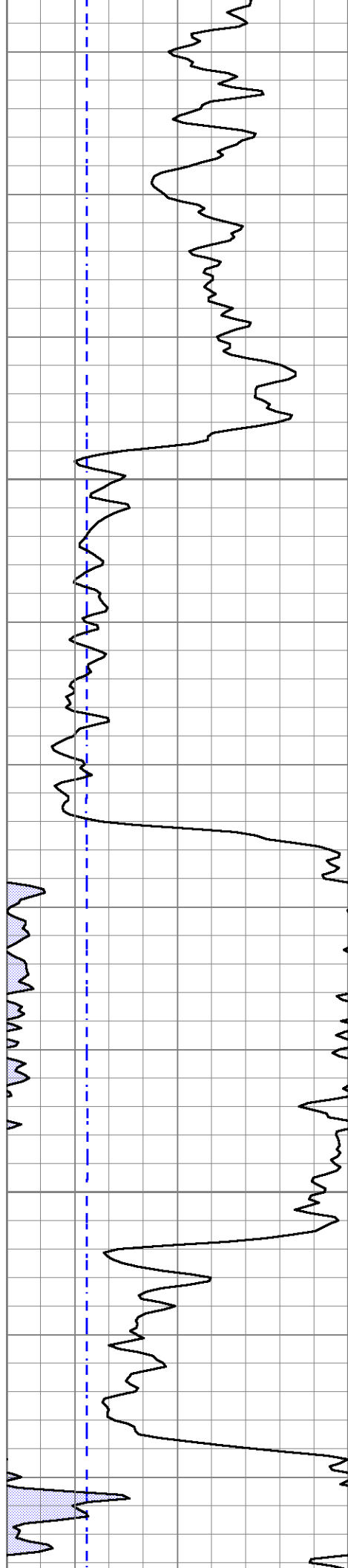




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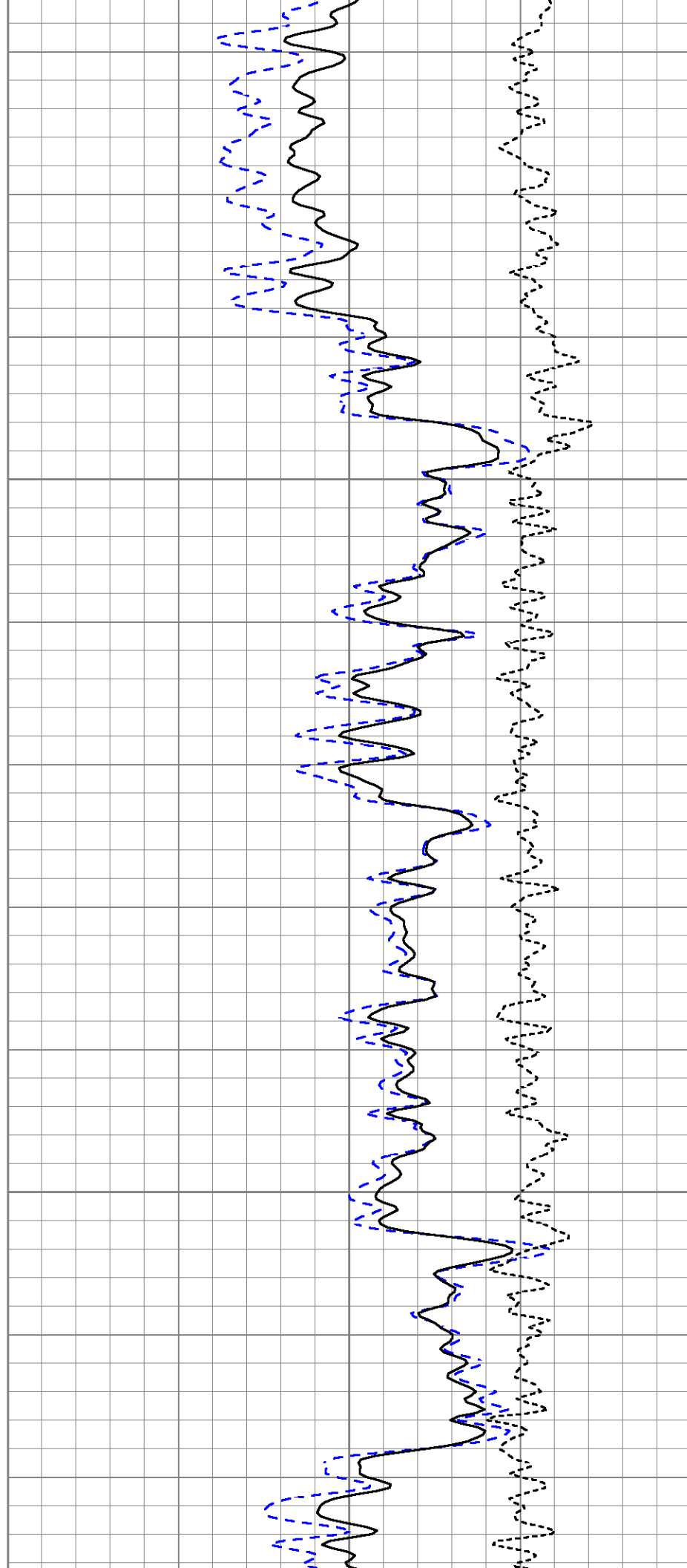
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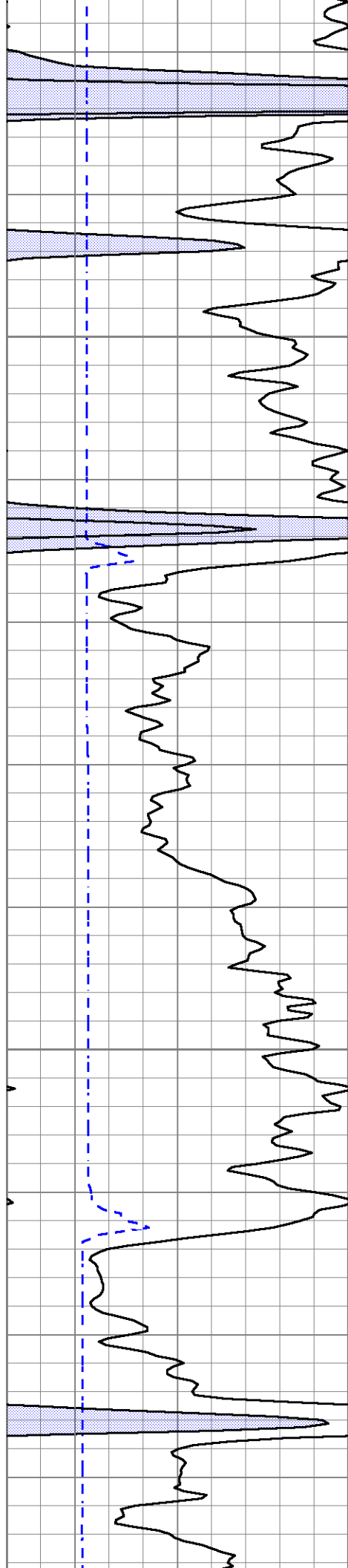




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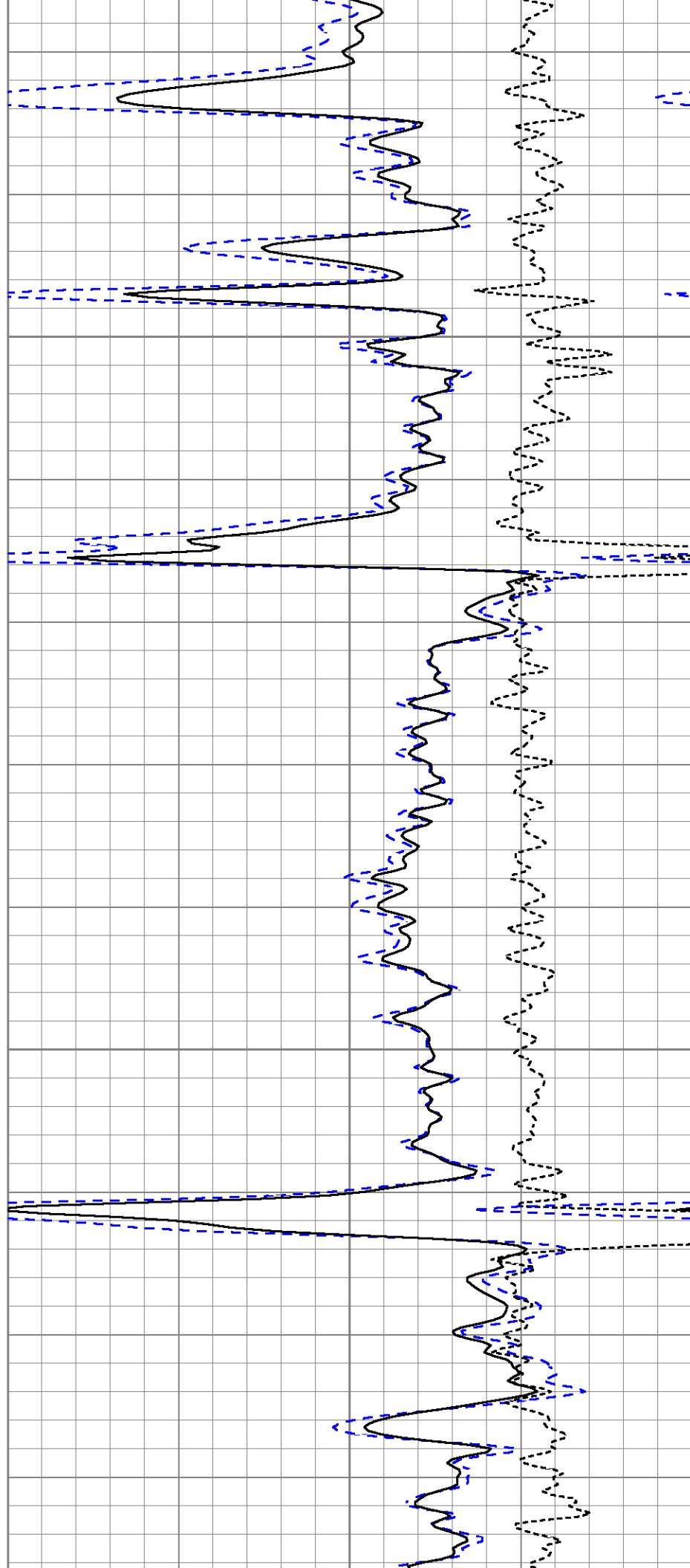
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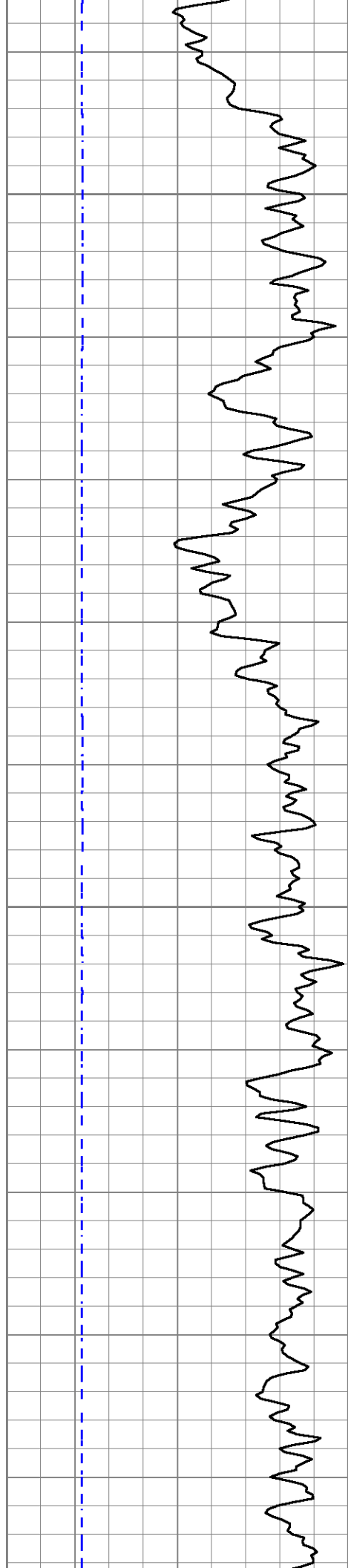




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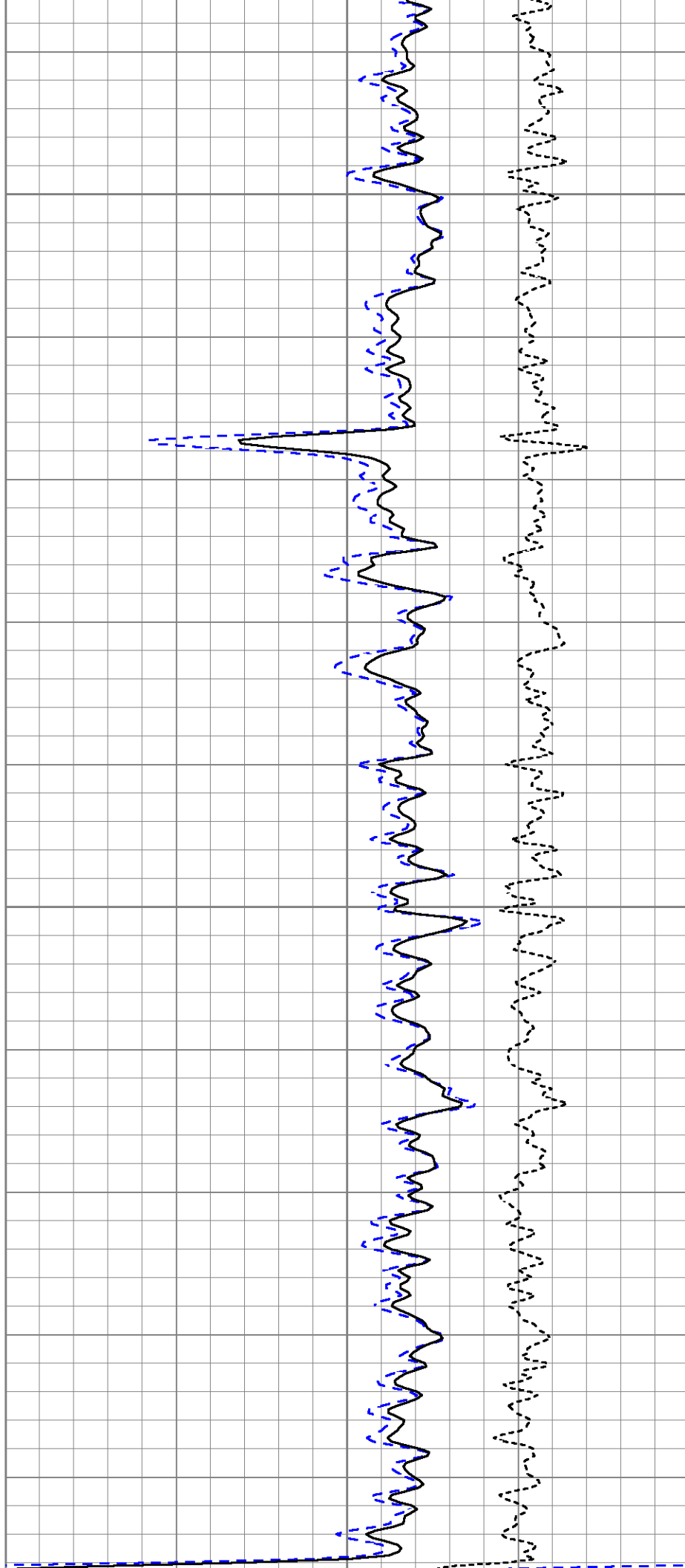
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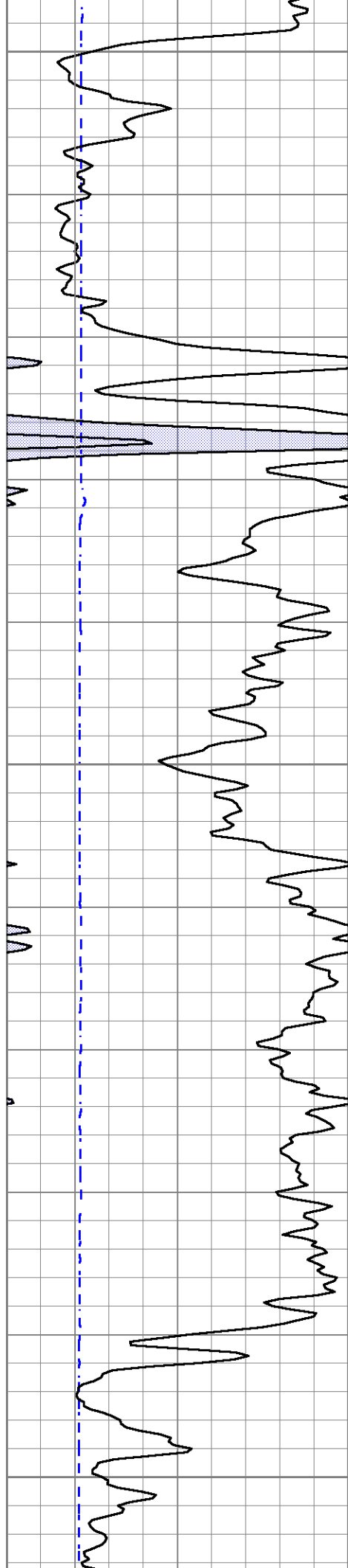




800

850

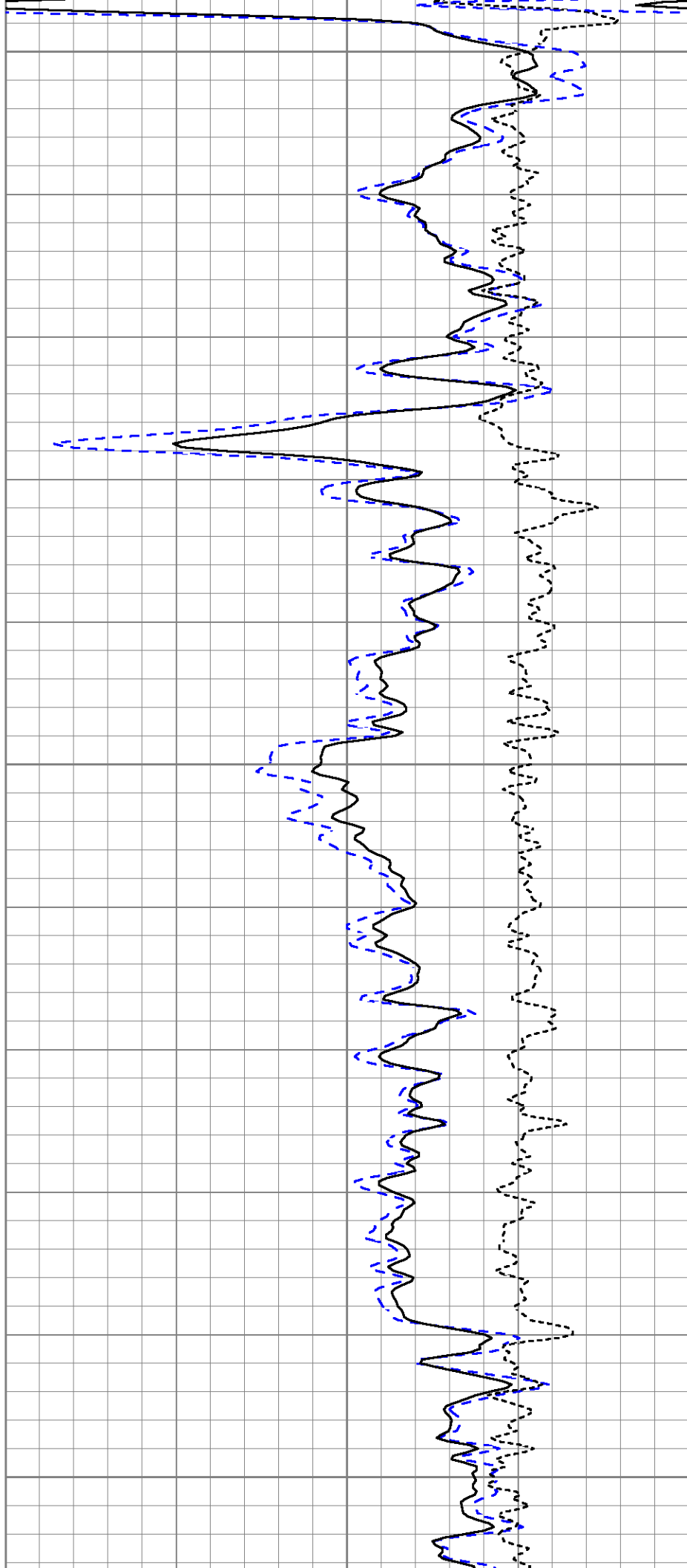


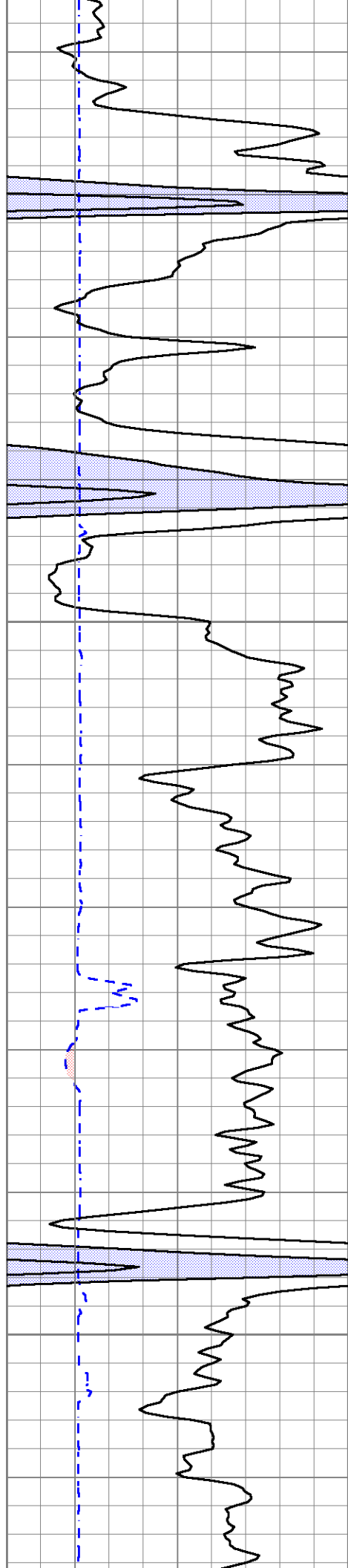


900

950

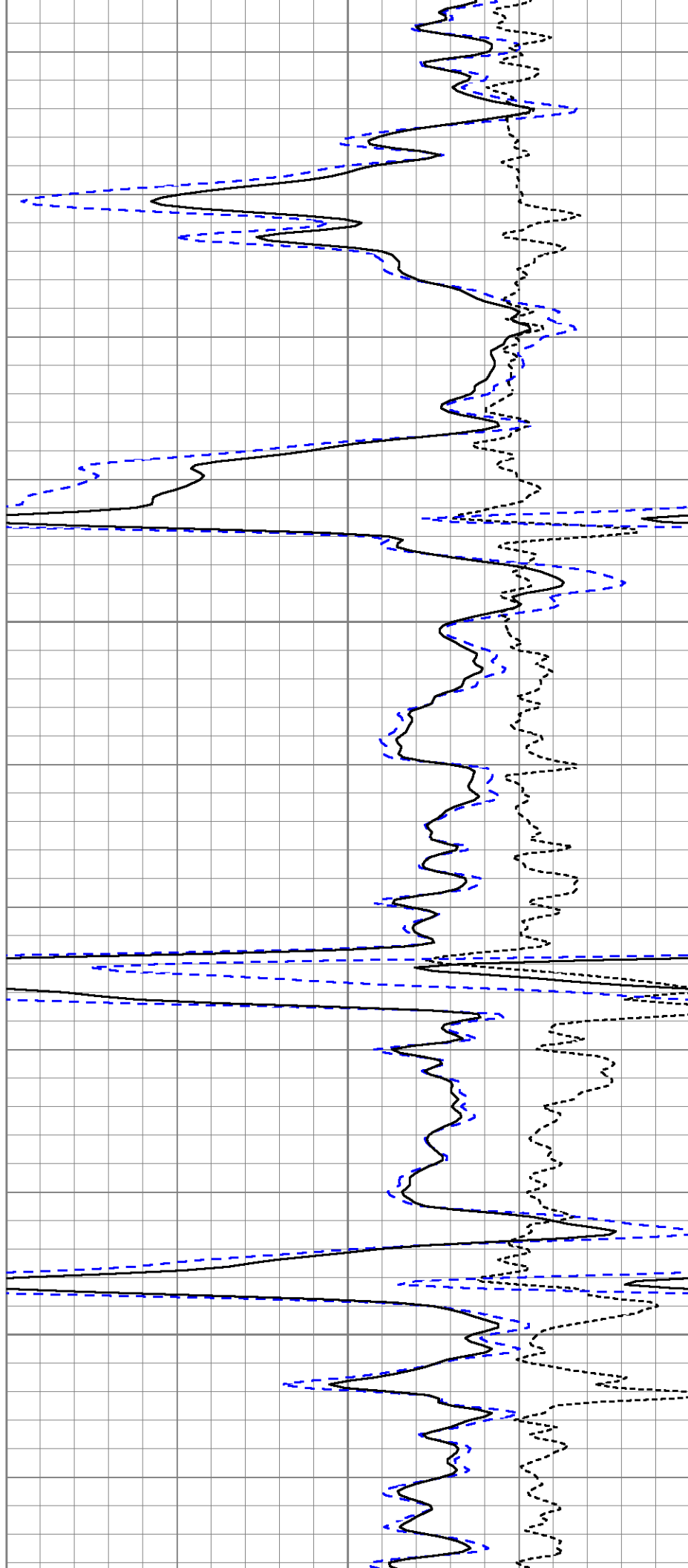
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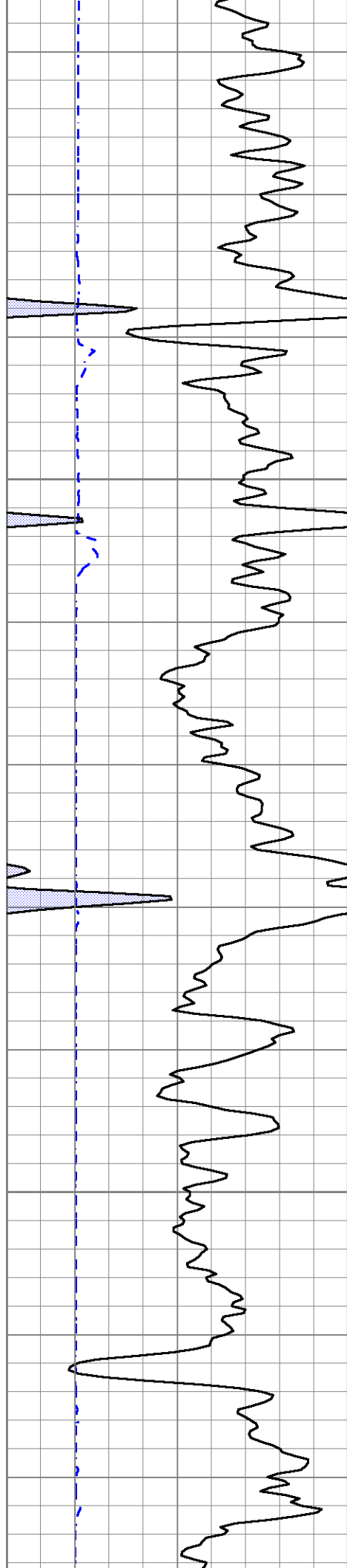




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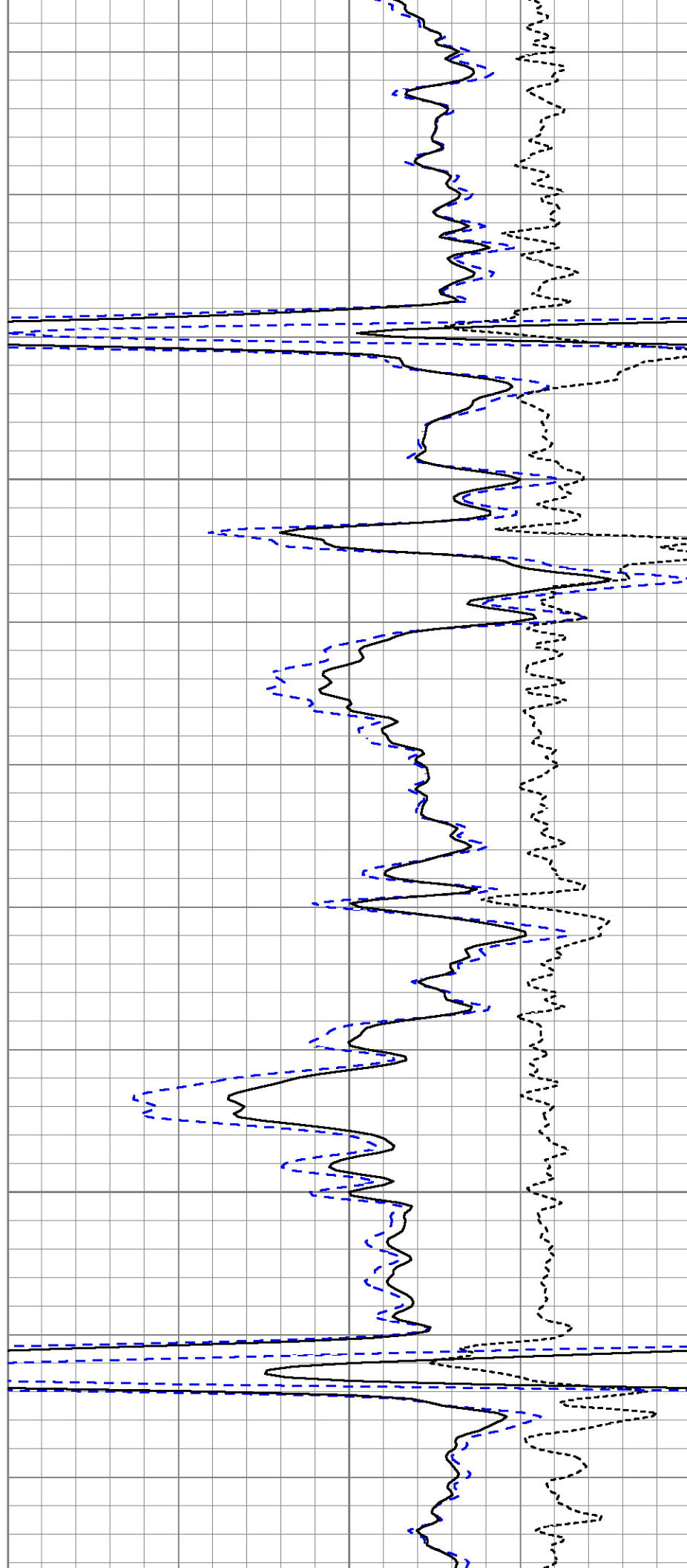
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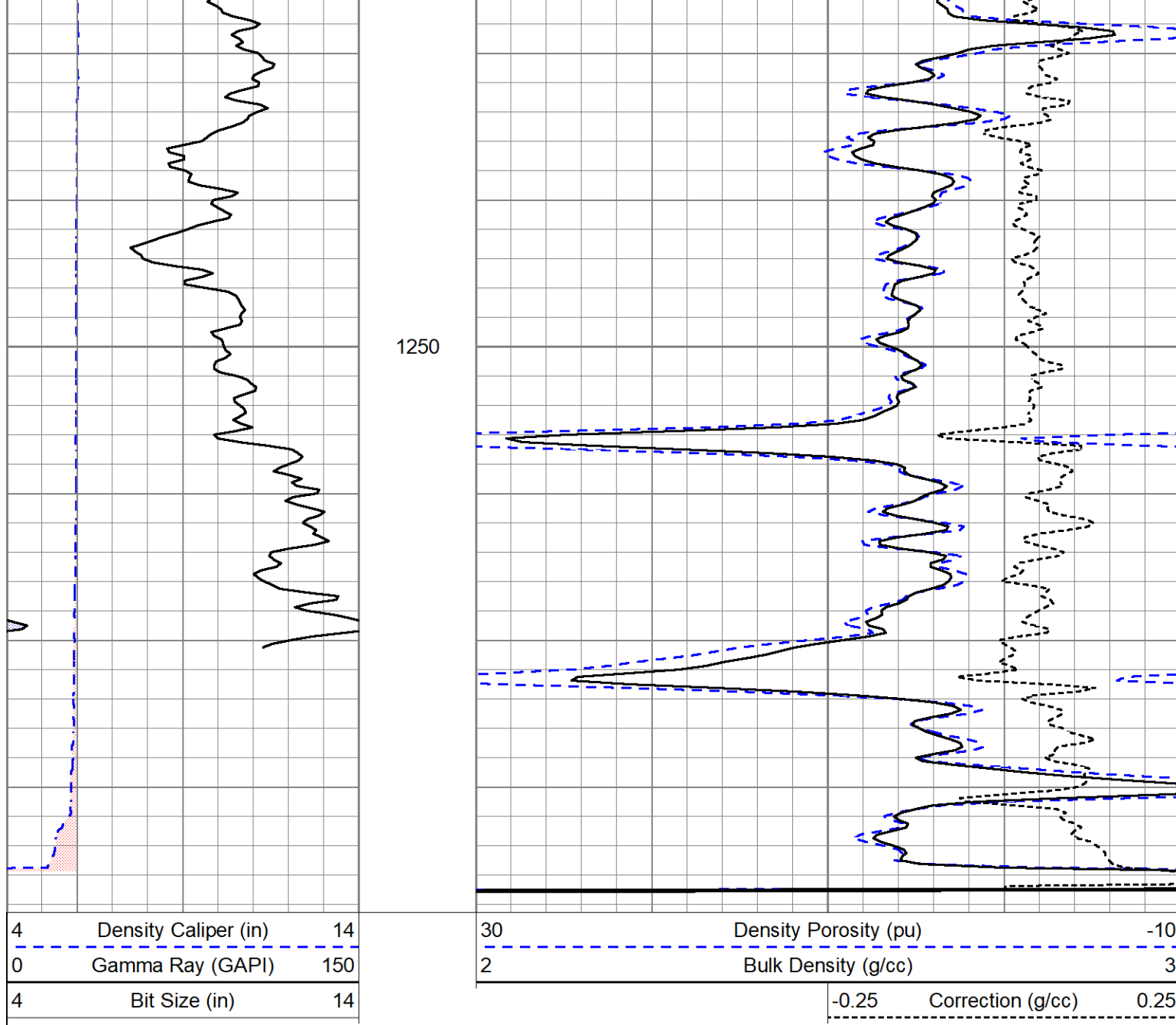




1150

1200





Calibration Report				
Database File	ow1-9252 redbud .db			
Dataset Pathname	pass1.8			
Dataset Creation	Wed Oct 18 13:47:40 2023			
Neutron Calibration Report				
Serial Number:	(YELLOW 0600 01 SWING DOOR NEUTRON)			
Tool Model:	ADDON			
Performed:	Mon Aug 14 14:56:30 2023			
Calibrator Values:	0	30		
Calibrator Readings:	6000	2800	cps	
Sensitivity:	-0.009375	/cps		
Inclinometer Calibration Report				
Performed:	(Not Performed)			
	Low Read.	High Read.	Low Ref.	High Ref.

X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report					
Serial Number:	(YELLOW 061221)				
Tool Model:	OSAGE_01				
Performed:	Mon Aug 14 14:52:43 2023				
Calibrator Value:	150.0	GAPI			
Background Reading:	610.0	cps			
Calibrator Reading:	930.0	cps			
Sensitivity:	0.4688	GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 ((YELLOW 061221)) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00	
ACCX	17.83						
GR	16.65						
FRAMES	15.33						
SSTAT	15.33						
PSTAT	15.33						
ASTAT	15.33						
NEU	11.66			NEU-ADDON ((YELLOW 0600 01 SWING DOOR NEUTRON)) Inline Neutron	5.65	3.38	84.00
				ADT1LITH-C: Digital Density (Digital Density (1C CSV F-7))	9.69	0.00	
DCAL	2.79						
LSD	2.54						
SSD	1.96						
PSTAT2	0.00						
TR_Mon	0.00						
Dataset:			ow1-9252 redbud .db: field/well/run1/pass1.6				
Total length:			19.02 ft				
Total weight:			137.00 lb				
O.D.:			3.38 in				